

**WHAT IS CLAIMED IS:**

1. A method of generating display information from management definition data, said method comprising:  
receiving a display panel identifier;  
5 locating the display panel identifier in a management definition object;  
retrieving one or more qualifier values and one or more data definitions corresponding to the display panel identifier, wherein the retrieving includes reading  
10 the management definition object;  
creating one or more data control objects using the data definitions; and  
writing the qualifier values and data control objects to a data panel.
- 15 2. The method as described in claim 1 wherein the management definition object includes a common information model managed object format file.
3. The method as described in claim 1 further comprising:  
20 associating one of the data control objects with an external data source.
4. The method as described in claim 1 further comprising:  
identifying one or more menu tab names from the retrieved  
qualifier names;  
creating a menu tab within the data panel corresponding  
25 to each of the menu tab names; and  
writing a tab label for each of the menu tabs, wherein the tab labels correspond to the menu tab names.

5. The method as described in claim 1 wherein at least one of the data control objects is selected from the group consisting of a text box control, a list box control, a combo box control, a check box control, and a radio button control.
6. The method as described in claim 1 further comprising: retrieving one or more text labels from the management definition object, wherein each of the text labels corresponds to one of the data control objects; and writing the text labels in the display panel in a position adjacent to each text label's corresponding data control object.
7. The method as described in claim 1 wherein the data definitions include one or more data specifications corresponding to at least one of the data control objects, and wherein at least one of the data specifications are selected from the group consisting of a minimum value, a maximum value, a data type, and a valid values list.
8. An information handling system comprising: one or more processors; a memory accessible by the processors; a nonvolatile storage area accessible by the processors; and a display generation tool for generating display panels from management information, the display generation tool including:

input logic for receiving a display panel  
identifier;  
identification logic for locating the display panel  
identifier in a management definition object;  
5 means for retrieving one or more qualifier values  
and one or more data definitions corresponding  
to the display panel identifier, wherein the  
retrieving includes means for reading the  
management definition object;  
10 creation logic for creating one or more data control  
objects using the data definitions;  
output logic for writing the qualifier values and  
data control objects to a data panel; and  
storage logic for storing the data panel in the  
15 nonvolatile storage area.

9. The information handling system as described in claim 8  
wherein the management definition object includes a  
common information model managed object format file.
10. The information handling system as described in claim 8  
20 further comprising:  
association logic for associating one of the data control  
objects with an external data source.
11. The information handling system as described in claim 8  
further comprising:  
25 identification logic for identifying one or more menu tab  
names from the retrieved qualifier names;

creation logic for creating a menu tab within the data  
panel corresponding to each of the menu tab names;  
and  
output logic for writing a tab label for each of the menu  
5 tabs, wherein the tab labels correspond to the menu  
tab names.

12. The information handling system as described in claim 8  
wherein at least one of the data control objects is  
selected from the group consisting of a text box control,  
10 a list box control, a combo box control, a check box  
control, and a radio button control.

13. The information handling system as described in claim 8  
further comprising:  
retrieval logic for retrieving one or more text labels  
15 from the management definition object, wherein each  
of the text labels corresponds to one of the data  
control objects; and  
output logic for writing the text labels in the display  
panel in a position adjacent to each text label's  
20 corresponding data control object.

14. The information handling system as described in claim 8  
wherein the data definitions include one or more data  
specifications corresponding to at least one of the data  
control objects, and wherein at least one of the data  
25 specifications are selected from the group consisting of  
a minimum value, a maximum value, a data type, and a  
valid values list.

15. A computer program product stored on a computer operable medium for generating display information from management definition data, said computer program product comprising:

5 means for receiving a display panel identifier;

means for locating the display panel identifier in a management definition object;

10 means for retrieving one or more qualifier values and one or more data definitions corresponding to the display panel identifier, wherein the retrieving includes reading the management definition object;

means for creating one or more data control objects using the data definitions; and

15 means for writing the qualifier values and data control objects to a data panel.

16. The computer program product as described in claim 15 wherein the management definition object includes a common information model managed object format file.

20 17. The computer program product as described in claim 15 further comprising:

means for associating one of the data control objects with an external data source.

18. The computer program product as described in claim 15 further comprising:

25 means for identifying one or more menu tab names from the retrieved qualifier names;

means for creating a menu tab within the data panel  
corresponding to each of the menu tab names; and  
means for writing a tab label for each of the menu tabs,  
wherein the tab labels correspond to the menu tab  
names.

19. The computer program product as described in claim 15  
wherein at least one of the data control objects is  
selected from the group consisting of a text box control,  
a list box control, a combo box control, a check box  
control, and a radio button control.

20. The computer program product as described in claim 15  
further comprising:  
means for retrieving one or more text labels from the  
management definition object, wherein each of the  
text labels corresponds to one of the data control  
objects; and  
means for writing the text labels in the display panel in  
a position adjacent to each text label's  
corresponding data control object.

21. The computer program product as described in claim 15  
wherein the data definitions include one or more data  
specifications corresponding to at least one of the data  
control objects, and wherein at least one of the data  
specifications are selected from the group consisting of  
a minimum value, a maximum value, a data type, and a  
valid values list.

22. A method of generating display information from management definition data, said method comprising:  
receiving a display panel identifier;  
locating the display panel identifier in a management  
5 definition object, wherein the management definition object includes a common information model managed object format file;  
retrieving one or more qualifier values and one or more  
10 data definitions corresponding to the display panel identifier, wherein the retrieving includes reading the management definition object;  
creating one or more data control objects using the data definitions;  
writing the qualifier values and data control objects to  
15 a data panel;  
identifying one or more menu tab names from the retrieved qualifier names;  
creating a menu tab within the data panel corresponding to each of the menu tab names; and  
20 writing a tab label for each of the menu tabs, wherein the tab labels correspond to the menu tab names.
23. A method of generating display information from management definition data, said method comprising:  
receiving a display panel identifier;  
25 locating the display panel identifier in a management definition object, wherein the management definition object includes a common information model managed object format file;

retrieving one or more qualifier values and one or more  
data definitions corresponding to the display panel  
identifier, wherein the retrieving includes reading  
the management definition object;

5 creating one or more data control objects using the data  
definitions;

writing the qualifier values and data control objects to  
a data panel;

10 retrieving one or more text labels from the management  
definition object, wherein each of the text labels  
corresponds to one of the data control objects; and  
writing the text labels in the display panel in a  
position adjacent to each text label's corresponding  
data control object.

15 24. An information handling system comprising:  
one or more processors;  
a memory accessible by the processors;  
a nonvolatile storage area accessible by the processors;  
and

20 a display generation tool for generating display panels  
from management information, the display generation  
tool including:

input logic for receiving a display panel  
identifier;

25 identification logic for locating the display panel  
identifier in a management definition object;  
means for retrieving one or more qualifier values  
and one or more data definitions corresponding



to the display panel identifier, wherein the  
retrieving includes means for reading the  
management definition object;  
creation logic for creating one or more data control  
5 objects using the data definitions;  
output logic for writing the qualifier values and  
data control objects to a data panel;  
storage logic for storing the data panel in the  
nonvolatile storage area  
10 identification logic for identifying one or more  
menu tab names from the retrieved qualifier  
names;  
creation logic for creating a menu tab within the  
data panel corresponding to each of the menu  
15 tab names;  
output logic for writing a tab label for each of the  
menu tabs, wherein the tab labels correspond to  
the menu tab names  
retrieval logic for retrieving one or more text  
20 labels from the management definition object,  
wherein each of the text labels corresponds to  
one of the data control objects; and  
output logic for writing the text labels in the  
display panel in a position adjacent to each  
25 text label's corresponding data control object.

25. A computer program product stored on a computer operable  
medium for generating display information from management

definition data, said computer program product

comprising:

means for receiving a display panel identifier;

means for locating the display panel identifier in a

5 management definition object;

means for retrieving one or more qualifier values and one

or more data definitions corresponding to the

display panel identifier, wherein the retrieving

includes reading the management definition object;

10 means for creating one or more data control objects using  
the data definitions;

means for writing the qualifier values and data control  
objects to a data panel;

15 means for identifying one or more menu tab names from the  
retrieved qualifier names;

means for creating a menu tab within the data panel  
corresponding to each of the menu tab names;

20 means for writing a tab label for each of the menu tabs,  
wherein the tab labels correspond to the menu tab  
names

means for retrieving one or more text labels from the  
management definition object, wherein each of the  
text labels corresponds to one of the data control  
objects; and

25 means for writing the text labels in the display panel in  
a position adjacent to each text label's  
corresponding data control object.